

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION II

SDMS Document



67713

DATE: MAY 23 1989

SUBJECT: SCP Carlstadt Site: Air Programs and Air Compliance Branch review  
of the Draft Feasibility Study (FS) Document.

FROM: William Jules Barrett, Meteorologist  
Impact Assessment Section, AWM-AP

TO: Janet Feldstein, RPM  
New Jersey Compliance Branch, ERRD

Raymond Werner, Chief  
Impact Assessment Section, AWM-AP

The Air Programs and Air Compliance Branches have examined the  
Draft FS Document for the SCP-Carlstadt Superfund Site, located in  
Carlstadt, New Jersey.

We present in tabular form, the various remedial possibilities  
along with our associated air concerns. Attachment 1 follows,  
presenting the Applicable and Relevant or Appropriate Requirements  
(ARARS) pertinent to this site.

Remedial Technology

Air Concerns

FOU A No Action

Volatiles, dust

FOU B Slurry Wall, Dewater  
Unit and Treat, Tank

Fugitives from construction,  
emissions from air stripper

Containment, Cap

FOU C Same as FOU B with  
Vacuum extraction

Same As FOU B with emissions and  
dust from extraction process

FOU D Same as FOU C with on-  
site stabilization

Same as FOU C

FOU E Same as C with con-  
taminant extraction of  
PCBs.

Same as FOU C

FOU F Same as FOU E with on-  
site stabilization

Same as FOU C

FOU G Same as FOU C with con-  
taminant extraction of  
entire site and tank  
sludge, on-site stab-  
ilization

Same as FOU C

Please contact me at extension 2335 to discuss any questions or comments you may have concerning this review.

Attachment

cc: G. Musumeci, AWM-AP  
H. Patel, AWM-AC  
J. Menczel, AWM-AC  
F. Cosolito, NJDEP-DEQ

ATTACHMENT I  
 SCIENTIFIC CHEMICAL PROCESSING SITE, Carlstadt, New Jersey  
 ACB Comments on Draft Feasibility Study  
 April 27, 1989

Alternative	Air Concerns	Regulations/Guidelines	Comments
SW A No Action/ monitoring	Volatiles Fugitives	40 CFR 264:RCRA	Requires owner/operator to control wind dispersal of particulate matter.
		NJAC 7:26-10:RCRA	Requires owner/operator to control wind dispersal of particulate matter.
		NYS Air Guide-1:Guidance	Guidance for control of toxic ambient air contaminants.
		40 CFR 50:NAAQS	Provides air quality standards for particulate matter, and lead.
		NJAC 7:27-13:AAS	Provides air quality standards for suspended particulate matter, hydrocarbons, and photochemical oxidants.

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ATTACHMENT I (CONT'D)  
 SCIENTIFIC CHEMICAL PROCESSING SITE, Carlstadt, New Jersey  
 ACB Comments on Draft Feasibility Study  
 April 27, 1989

Alternative	Air Concerns	Regulations/Guidelines	Comments
FOU B Slurry wall, dewater unit and treat, tank containment, cap	Volatiles Fugitives	See A above.  52 FR 3748:Proposed RCRA  NJAC 7:27-16.6:VOC  NJAC 7:27-17:TVOC  40 CFR 761:PCBs  40 CFR 61:NESHAPs	Proposed standards for control of emissions from vents and equipment leaks.  Provides emission rates for VOC from source operations.  Provides limits on emissions of TVOC.  Special performance standards for PCBs.  Provides emission standards which could be used as guidance.
FOU C Slurry wall, dewater unit and treat, vacuum extrac- tion, tank containment, cap	Volatiles Fugitives	See B above.	
FOU D Slurry wall, dewater unit and treat, vacuum extrac- tion, on-site stabilization/ solidification, tank contain- ment, cap	Volatiles Fugitives	See B above.	

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ATTACHMENT I (CONT'D)  
 SCIENTIFIC CHEMICAL PROCESSING SITE, Carlstadt, New Jersey  
 ACB Comments on Draft Feasibility Study  
 April 27, 1989

Alternative	Air Concerns	Regulations/Guidelines	Comments
FOU E 5. Slurry wall, dewater unit and treat, vacuum extrac- tion, contami- nant extraction of PCBs for partial site and tank sludge, cap	Volatiles Fugitives	See B above.	
FOU F 6. Slurry wall, dewater unit and treat, vacuum extrac- tion, contami- nant extraction of PCBs for partial site and tank sludge, on site stabilization/ solidification, cap	Volatiles Fugitives	See B above.	
FOU G 7. Slurry wall dewater unit and treat, vacuum extrac- tion, contami- nant extraction of entire site, on site stail- ization/solid- ification, cap	Volatiles Fugitives	See B above.	
FOU H 8. Slurry wall, dewater unit and treat, vitrification of entire site including tank sludge, cover	Volatiles Fugitives Potential emissions from vitri- fication process	See B above.	